

ABSTRACT

The present invention relates to the delivery of atenolol, pindolol, esmolol, propranolol, or metoprolol through an inhalation route. Specifically, it relates to aerosols containing atenolol, pindolol, esmolol, propranolol, or metoprolol that are used in inhalation therapy. In a method aspect of the present invention, atenolol, pindolol, esmolol, propranolol, or metoprolol is administered to a patient through an inhalation route. The method comprises: a) heating a composition of atenolol, pindolol, esmolol, propranolol, or metoprolol, to form a vapor; and, b) allowing the vapor to cool, thereby forming a condensation aerosol comprising particles with less than 5% drug degradation products. In a kit aspect of the present invention, a kit for delivering atenolol, pindolol, esmolol, propranolol, or metoprolol through an inhalation route is provided which comprises: a) a thin coating of an atenolol, pindolol, esmolol, propranolol, or metoprolol composition and b) a device for dispensing said thin coating as a condensation aerosol.